



MAY 24 2006

19 May 2006

Program Manager
USDA/AMS/TMP/NOP
1400 Independence Avenue SW
Room 4008-So., Ag Stop 0268
Washington, DC 20250

RECEIVED
USDA NATIONAL
ORGANIC PROGRAM
2006 MAY 25 10 10 03

Dear Sir/Madam,

To assure that certain colors from natural sources remain on the NOP National List of non-organically produced ingredients we offer you the attached petitions for six different color categories.

Colors from Fruit Juices as set forth in 21 CFR 73.250
Colors from Vegetable Juices as set forth by 21 CFR 73.260
Beta-Carotene from natural sources as set forth by 21 CFR 73.95
Colors from Annatto as set forth by 21 CFR 73.30
Colors from Turmeric as set forth by 21 CFR 73.600
Colors from Paprika as set forth by 21 CFR 73.340

We understand that these petitions for colors are now absolutely essential for the NOSB to approve them so colors remain on the National List after Sunset on October 21, 2007. We have used the petition application form that is available on the NOP website. We have also included applicable flow charts for each of these six color categories. We look forward to working with you to assure that these colors from natural sources remain on the NOP National List well beyond October of 2007. If you have any questions or if you require any additional information, please do not hesitate to contact us.

Yours truly,

John T. Martin
Director, Scientific & Regulatory Affairs
WILD Flavors, Inc.
P: 859-342-3798
F: 859-342-3738
Email: jtmartin@wildflavors

WILD Flavors, Inc.

WILD Flavors, Inc.
1261 Pacific Avenue
Erlanger, KY 41018 USA

Telephone: (859) 342-3600
(888) WILD Flavors
Facsimile: (859) 342-3610

EVALUATION CRITERIA FOR SUBSTANCES ADDED TO THE NATIONAL LIST

Category 1. Adverse impacts on humans or the environment?

Substance : Turmeric 21 CFR 73.600

Question	Yes	No	N/A ¹	Documentation (TAP, petition, regulatory agency, other)
1. Are there adverse effects on environment from manufacture, use, or disposal? [§205.600 b.2]		X		
2. Is there environmental contamination during manufacture, use, misuse, or disposal? [§6518 m.3]		X		
3. Is the substance harmful to the environment? [§6517c(1)(A)(i); 6517(c)(2)(A)i]		X		
4. Does the substance contain List 1, 2, or 3 inerts? [§6517 c (1)(B)(ii); 205.601(m)2]		X		
5. Is there potential for detrimental chemical interaction with other materials used? [§6518 m.1]		X		
6. Are there adverse biological and chemical interactions in agro-ecosystem? [§6518 m.5]		X		
7. Are there detrimental physiological effects on soil organisms, crops, or livestock? [§6518 m.5]		X		
8. Is there a toxic or other adverse action of the material or its breakdown products? [§6518 m.2]		X		
9. Is there undesirable persistence or concentration of the material or breakdown products in environment?[§6518 m.2]		X		
10. Is there any harmful effect on human health? [§6517 c (1)(A)(i) ; 6517 c(2)(A)i; §6518 m.4]		X		
11. Is there an adverse effect on human health as defined by applicable Federal regulations? [205.600 b.3]		X		
12. Is the substance GRAS when used according to FDA's good manufacturing practices? [§205.600 b.5]	X			21 CFR 73.600
13. Does the substance contain residues of heavy metals or other contaminants in excess of FDA tolerances? [§205.600 b.5]		X		

¹If the substance under review is for crops or livestock production, all of the questions from 205.600 (b) are N/A—not applicable.

Category 2. Is the Substance Essential for Organic Production? Substance: Turmeric 21 CFR 73.600

Question	Yes	No	N/A ¹	Documentation (TAP, petition, regulatory agency, other)
1. Is the substance formulated or manufactured by a chemical process? [6502 (21)]		X		
2. Is the substance formulated or manufactured by a process that chemically changes a substance extracted from naturally occurring plant, animal, or mineral, sources? [6502 (21)]		X		
3. Is the substance created by naturally occurring biological processes? [6502 (21)]	X			
4. Is there a natural source of the substance? [§205.600 b.1]	X			Turmeric is of natural origin
5. Is there an organic substitute? [§205.600 b.1]		X		
6. Is the substance essential for handling of organically produced agricultural products? [§205.600 b.6]			X	
7. Is there a wholly natural substitute product? [§6517 c (1)(A)(ii)]			X	
8. Is the substance used in handling, not synthetic, but not organically produced? [§6517 c (1)(B)(iii)]			X	
9. Is there any alternative substances? [§6518 m.6]		X		
10. Is there another practice that would make the substance unnecessary? [§6518 m.6]		X		

¹If the substance under review is for crops or livestock production, all of the questions from 205.600 (b) are N/A—not applicable.

Category 3. Is the substance compatible with organic production practices?

Substance Turmeric 21 CFR 73.600

Question	Yes	No	N/A ¹	Documentation (TAP, petition, regulatory agency, other)
1. Is the substance compatible with organic handling? [§205.600 b.2]			X	
2. Is the substance consistent with organic farming and handling? [§6517 c (1)(A)(iii); 6517 c (2)(A)(ii)]			X	
3. Is the substance compatible with a system of sustainable agriculture? [§6518 m.7]			X	
4. Is the nutritional quality of the food maintained with the substance? [§205.600 b.3]			X	
5. Is the primary use as a preservative? [§205.600 b.4]		X		
6. Is the primary use to recreate or improve flavors, colors, textures, or nutritive values lost in processing (except when required by law, e.g., vitamin D in milk)? [205.600 b.4]	X			
7. Is the substance used in production, and does it contain an active synthetic ingredient in the following categories:		X		
a. copper and sulfur compounds;		X		
b. toxins derived from bacteria;		X		
c. pheromones, soaps, horticultural oils, fish emulsions, treated seed, vitamins and minerals?		X		
d. livestock parasiticides and medicines?		X		
e. production aids including netting, tree wraps and seals, insect traps, sticky barriers, row covers, and equipment cleaners?		X		

¹If the substance under review is for crops or livestock production, all of the questions from 205.600 (b) are N/A—not applicable.

Item A – This petition involves the continued inclusion of exempt colors from turmeric described in 21 CFR 73.600 as a non-agricultural (non-organic) substance allowed in or on processed products labeled as “organic” or “made with organic”.

Item B

- 1.) Turmeric Color
- 2.) WILD Flavors, Inc. 1261 Pacific Avenue Erlanger, KY 41018 859-342-3600
- 3.) To add color to food/beverages using exempt colorants from natural sources of turmeric
- 4.) Not intended for use on crops or livestock. Adding color is the mode of action.
- 5.) See attached flow chart
- 6.) Not applicable – WILD Flavors is not currently a certified manufacturer/handler
- 7.) Refer to 21 CFR 73.600
- 8.) CAS number not applicable
- 9.) Refer to evaluation criteria
- 10.) Not applicable – MSDS available upon request. Fruit juices are not considered to be hazardous.
- 11.) All categories of turmeric colors are approved for use in accordance with 21 CFR 73.600 and are GRAS.
- 12.) Non-synthetic colors should remain on the National List as described in 7 CFR 205.605

NOSB RECOMMENDED DECISION

Form NOPLIST2. Full Board Transmittal to NOP

For NOSB Meeting: _____	Substance: _____																												
A. Evaluation Criteria (Documentation attached; committee recommendation attached) <table style="width: 100%;"><tr><td style="width: 60%;"></td><td style="text-align: right; padding-right: 20px;">Criteria Satisfied?</td></tr><tr><td>1. Impact on humans and environment</td><td>Yes No (see B below)</td></tr><tr><td>2. Availability criteria</td><td>Yes No (see B below)</td></tr><tr><td>3. Compatibility & consistency</td><td>Yes No (see B below)</td></tr></table>			Criteria Satisfied?	1. Impact on humans and environment	Yes No (see B below)	2. Availability criteria	Yes No (see B below)	3. Compatibility & consistency	Yes No (see B below)																				
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B. Substance fails criteria? Criteria category: _____ Comments: _____	C. Proposed Annotation: _____ Basis for annotation: To meet criteria above: _____ Criteria: _____ Other regulatory criteria: _____ Citation: _____																												
D. Final Board Action & Vote: Motion by: _____ Second: _____ <table style="width: 100%;"><tr><td style="width: 15%;">Vote:</td><td style="width: 15%;">Agricultural</td><td style="width: 15%;"></td><td style="width: 15%;">Nonagricultural</td><td style="width: 15%;"></td><td style="width: 15%;">Crops</td><td style="width: 15%;"></td></tr><tr><td>Yes: _____</td><td>Synthetic</td><td></td><td>Not synthetic</td><td></td><td>Livestock</td><td></td></tr><tr><td>No: _____</td><td>Allowed¹</td><td></td><td>Prohibited²</td><td></td><td>Handling</td><td></td></tr><tr><td>Abstain: _____</td><td>No restriction</td><td></td><td>Deferred⁴</td><td></td><td>Rejected³</td><td></td></tr></table> <div style="margin-left: 100px;">1—substance voted to be added as "allowed" on National List</div> <div>Annotation: _____</div> <div style="margin-left: 100px;">2—substance to be added to "prohibited" paragraph of National List</div> <div>Describe why a prohibited substance: _____</div> <div style="margin-left: 100px;">3—substance was rejected by vote for amending National List</div> <div>Describe why material was rejected: _____</div> <div style="margin-left: 100px;">4—substance was recommended to be deferred</div> <div>Describe why deferred; if any follow-up is needed. If follow-up needed, who conducts follow-up. _____</div>		Vote:	Agricultural		Nonagricultural		Crops		Yes: _____	Synthetic		Not synthetic		Livestock		No: _____	Allowed ¹		Prohibited ²		Handling		Abstain: _____	No restriction		Deferred ⁴		Rejected ³	
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E. Approved by NOSB Chair to transmit to NOP: <table style="width: 100%;"><tr><td style="width: 50%;">_____ Dave Carter, NOSB Chair</td><td style="width: 50%;">_____ Date</td></tr></table>		_____ Dave Carter, NOSB Chair	_____ Date																										
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F. NOP Action: Include in FR to amend National List: Return to NOSB Reason: _____ <table style="width: 100%;"><tr><td style="width: 50%;">_____ Richard H. Mathews, Program Manager</td><td style="width: 50%;">_____ Date</td></tr></table>		_____ Richard H. Mathews, Program Manager	_____ Date																										
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NOSB COMMITTEE RECOMMENDATION

Form NOPLIST1. Committee Transmittal to NOSB

For NOSB Meeting: _____	Substance: _____																								
Committee: Crops Livestock Handling																									
<p>A. Evaluation Criteria (Documentation attached; committee recommendation attached)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 60%;"></td> <td style="text-align: right; padding-right: 20px;">Criteria Satisfied?</td> </tr> <tr> <td>4. Impact on humans and environment</td> <td>Yes No (see B below)</td> </tr> <tr> <td>5. Availability criteria</td> <td>Yes No (see B below)</td> </tr> <tr> <td>6. Compatibility & consistency</td> <td>Yes No (see B below)</td> </tr> </table>			Criteria Satisfied?	4. Impact on humans and environment	Yes No (see B below)	5. Availability criteria	Yes No (see B below)	6. Compatibility & consistency	Yes No (see B below)																
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<p>D. Recommended Committee Action & Vote: Motion by: _____</p> <p style="text-align: center;">Seconded: _____</p> <div style="display: flex; align-items: flex-start; margin-top: 10px;"> <div style="width: 20%;"> <p><u>Vote:</u></p> <p>Yes: _____</p> <p>No: _____</p> <p>Abstain: _____</p> </div> <table border="1" style="width: 80%; border-collapse: collapse; text-align: center;"> <tr> <td style="padding: 5px;">Agricultural</td> <td style="width: 20px;"></td> <td style="padding: 5px;">Nonagricultural</td> <td style="width: 20px;"></td> <td style="padding: 5px;">Crops</td> <td style="width: 20px;"></td> </tr> <tr> <td style="padding: 5px;">Synthetic</td> <td></td> <td style="padding: 5px;">Not synthetic</td> <td></td> <td style="padding: 5px;">Livestock</td> <td></td> </tr> <tr> <td style="padding: 5px;">Allowed¹</td> <td></td> <td style="padding: 5px;">Prohibited²</td> <td></td> <td style="padding: 5px;">Handling</td> <td></td> </tr> <tr> <td style="padding: 5px;">No restriction</td> <td></td> <td style="padding: 5px;">Deferred⁴</td> <td></td> <td style="padding: 5px;">Rejected³</td> <td></td> </tr> </table> </div>		Agricultural		Nonagricultural		Crops		Synthetic		Not synthetic		Livestock		Allowed ¹		Prohibited ²		Handling		No restriction		Deferred ⁴		Rejected ³	
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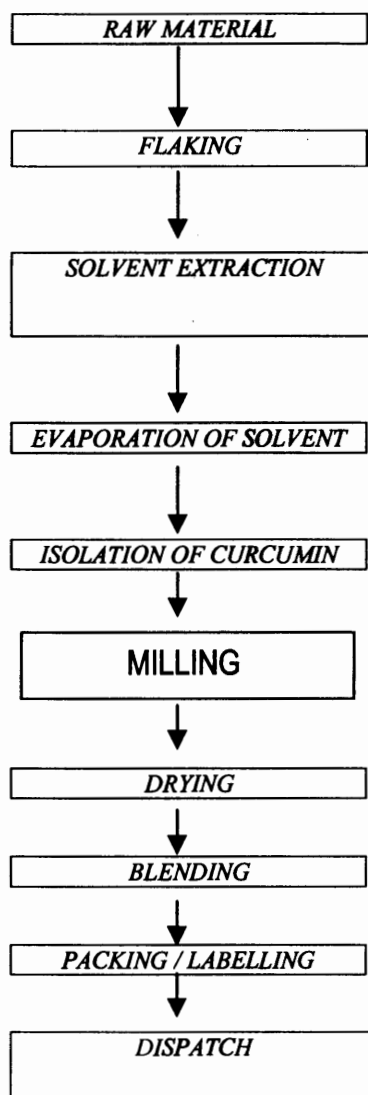
E. Approved by Committee Chair to transmit to NOSB:

Committee Chair

Date

Turmeric Powder

Flow Chart
Oleoresin Turmeric (T-14)



Flow Chart
Oleoresin Turmeric (T-5)

